HTZ C2 - 36L Water Vapor Permeability Tester with computer

Application :C2 can performs testing on packaging materials, such as plastic film, composite film, co-extrusion film, geo-membrane, aluminum-plated films and foils, infusion bag, sheets, paper, paper board, solar battery panel, cellophane, and various packaging materials. It can also measure permeability through containers such as bag, pouch, bottle, can, bowl, box, pharmaceuticals, healthcare, electronics etc. with optional adopters for containers..

Principles
Test dishes filled with distilled water in a controlled dry atmosphere, a constant humidity difference is generated between two sides of the test specimen, the water vapor permeates through the specimen and into the dry side, water vapor transmission rate and other parameters can be obtained by measuring the weight changes of the test dish in different time.

Technical indexes

1. Test range:0.1~19,000 g/m2·24h (standard)
2. Test accuracy: 0.01 g/m2·24h
3. Specimen amount: 3 specimens, independent
4. Temperature range: 15C–60C Temperature accuracy: ±0.1C
5. Differential humidity range: Room-95%RH,standard condition 90%RH
6. Humidity accuracy: ±1%RH
7. Test area: 28.26cm2

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8. Specimen size: Φ76mm
9. Air velocity: 0.5~2.5m/s (customization available)
10. Test chamber volume: 36L
11. Gas supply: Air
12. Gas interface: Φ8
13. Power supply: AC 220V 50Hz
14. Dimension: 650 mm(L) * 550 mm(W) *475(H)mm
15. Net weight: 67kg

Standard
ISO 2528, ASTM E96, ASTM D1653, GB 1037, GB/T 16928, TAPPI T464, DIN 53122-1, JIS Z0208, YBB 00092003

Features

- specimens, continuously test
- 3 specimens, continuously test
- One-button test, test automatically in whole process
- Multiple test modes optional
- Temperature and humidity auto control
- Data curves display
- Computer control
- Environment temperature and humidity sensor inside
- Unit based on embedded system,24bit Δ-Σ AD
- Traceable reference film calibration
- Supports DSM system (DSM, lab data management system)

accessories:
Mainframe, computer, W-CTrans software, test dishes(1), desiccant tube, pressure regulator, automatic moisture filter, calibration weight, communication cable, sample cutter.
Optional: Reference film, air drying device, sample cutter, DSM system